



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11/9/00
11/11/00

In re Patent Application of:)
C. D. Chang et al)
Serial No. 09/436,520) Examiner: Tom Dunn
Filed: November 9, 1999) Group Art Unit: 1754
For: HYDROALKYLATION OF)
AROMATIC HYDROCARBONS)

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

In response to the Office Action mailed December 20, 2000 please amend this application as follows.

IN THE CLAIMS:

Please substitute the existing claims 7 and 10 with the following amended claims 7 and 10 respectively:

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7 (Amended). A catalyst suitable for the hydroalkylation of an aromatic hydrocarbon comprising
(a) a first metal having hydrogenation activity in the form of ruthenium;
(b) a second metal selected from zinc, tin, nickel and cobalt; and
c) a crystalline inorganic oxide material having a X-ray diffraction pattern including the following d-spacing maxima 12.4 ± 0.25 , 6.9 ± 0.15 , 3.57 ± 0.07 and 3.42 ± 0.07 .